

No. 629,240.

Patented July 18, 1899.

J. W. DARLINGTON.

WIRE STRETCHER.

(Application filed Nov. 3, 1898.)

(No Model.)

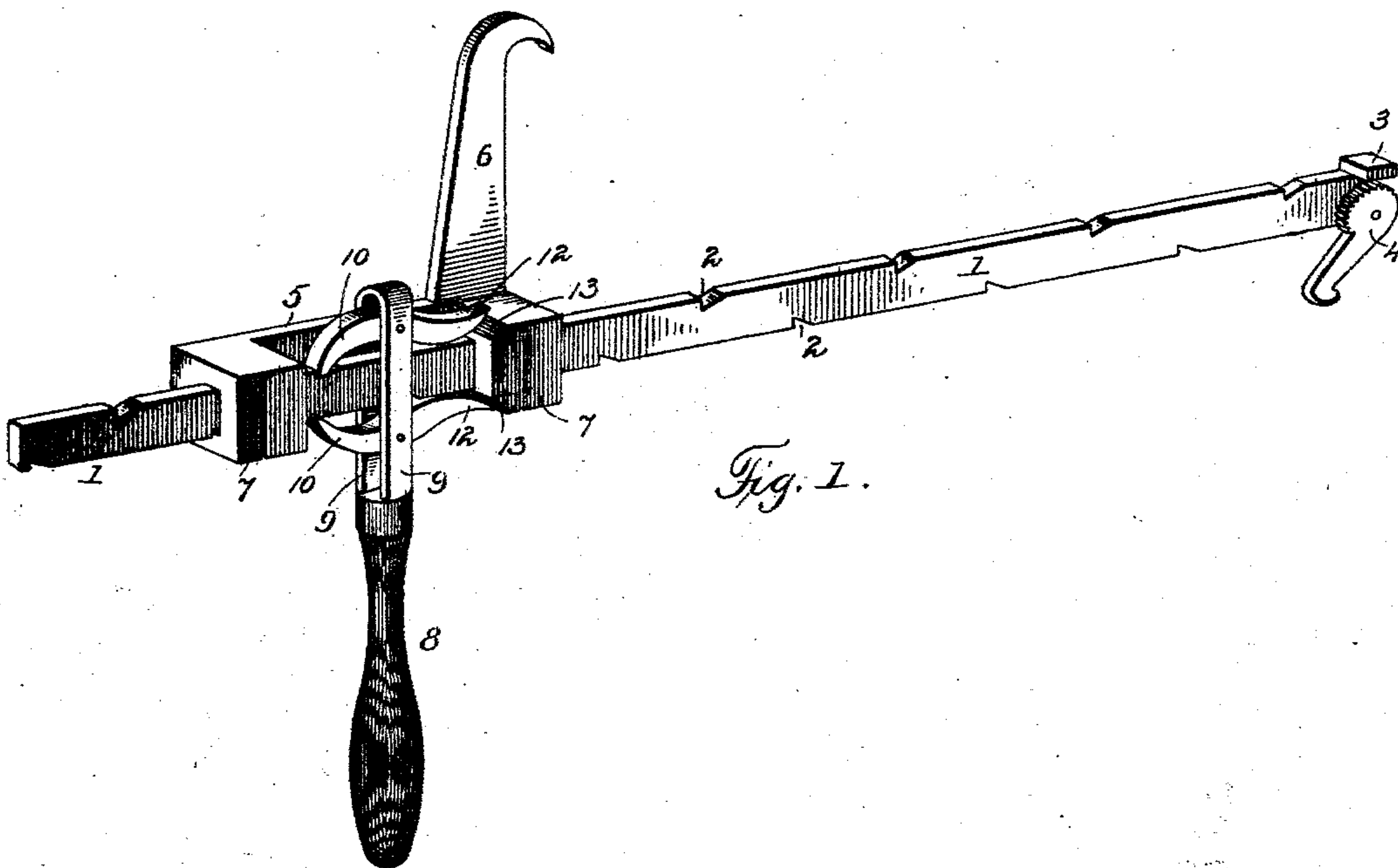


Fig. 1.

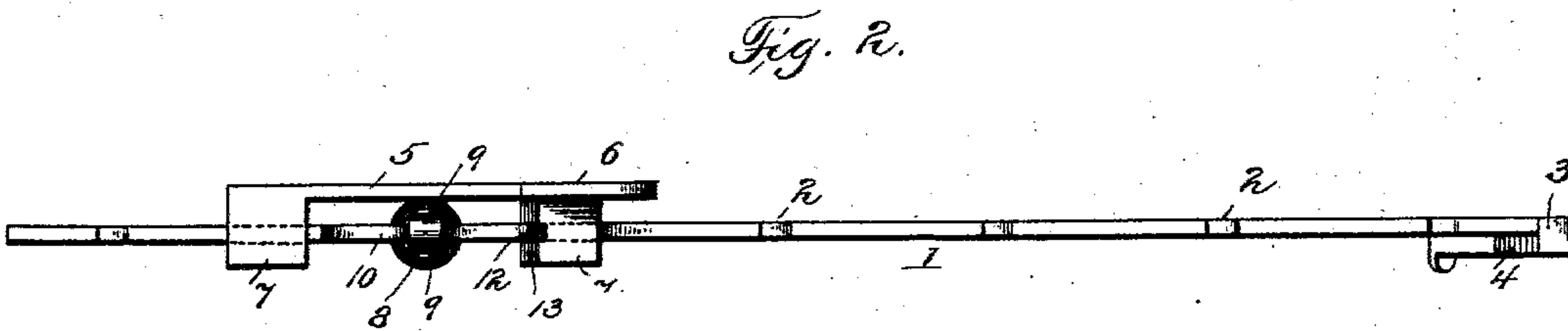


Fig. 2.

John W. Darlington,
Inventor

By L. D. Dean
his Attorney

Witnesses
John Enders, Jr.
Guy Coombs.

UNITED STATES PATENT OFFICE.

JOHN W. DARLINGTON, OF DENISON, KANSAS.

WIRE-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 629,240, dated July 18, 1899.

Application filed November 3, 1898. Serial No. 695,399. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. DARLINGTON, a citizen of the United States, residing at Denison, in the county of Jackson and State of Kansas, have invented certain new and useful Improvements in Wire-Stretchers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to wire-stretchers; and its object is to provide an improved construction of the same by means of which fence-wires may be stretched or tightened in a rapid and efficient manner.

The invention consists in the novel construction and combination of parts herein-after fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a fence-wire stretcher constructed in accordance with my invention. Fig. 2 is a plan view of the same.

In the said drawings the reference-numeral 1 designates a bar formed in the opposite edges with notches 2 and at one end is provided with a fixed clamping-jaw 3. Pivoted to this end of the said bar is a serrated cam-lever 4, between which and the said jaw the wire to be stretched is clamped.

The numeral 5 designates a metal plate provided with a hooked arm 6, which when in use is adapted to rest against a fence-post. Formed integral with said plate are two lugs 7, formed with rectangular holes through which said bar passes.

The numeral 8 designates a lever comprising the handle and two parallel arms 9 secured thereto and embracing said bar. Pivoted to said plates above and below the bar are two curved dogs 10, one end of which is adapted

to engage with the notches in the bar, while the other end is curved, as seen at 12, and adapted to engage with the beveled portion 13 of one of the lugs 7.

The operation is as follows: The hooked arm 6 is placed against a fence-post and the wire to be stretched is clamped between the jaw 3 and cam-lever 4 and securely held against slipping. The lever 8 is then operated, being moved back and forth, the dogs alternately engaging with the notches in the bar, so that at each forward movement of the dogs the bar will be moved forward, thus stretching the wire. Upon the backward movement of the dogs their rear curved ends 12 will strike the beveled portion 13 of the rear lug 7 and riding thereon will insure the dog being turned on its pivot, so that the other end will engage with one of the notches.

The device may also be used as a lever by turning it around the post, thus tightening the wire.

Having thus fully described my invention, what I claim is—

In a wire-stretcher, the combination with a plate formed with a rigid hooked arm, and with apertured lugs, one of said lugs being beveled at opposite sides, of a notched bar extending through the lugs, and provided at one end with an integral jaw, a cam-lever pivoted to the end of the notched bar and cooperating with said jaw, a lever provided with parallel plates embracing the bar, and the oppositely-arranged pivoted dogs, having their rear ends rounded to cooperate with the beveled surfaces of the lug.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN W. DARLINGTON.

Witnesses:

C. Z. MONTGOMERY,
J. L. PARKER.